Technical Data Sheet

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Ethylene Sulfate DTD

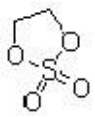
Description:

Chemical Name: Ethylene Sulfate

Synonyms: Ethylene glycol cyclic sulfate; 1,3,2-Dioxathiolane 2,2-dioxide;

Equivalents:

Molecular Structure:



Molecular Formula: $C_2H_4O_4S$

Molecular Weight: 124.12

CAS NO.: 1072-53-3

EINECS NO.:

Special Features:

As an additive to the electrolyte of lithium-ion batteries, its function is to inhibit the decline in the initial capacity of the battery, increase the initial discharge capacity, reduce the expansion of the battery after being placed at high temperature, and improve the charge-discharge performance and cycle times of the battery.

Typical Technical Properties:

Appearance: White or yellowish powder white crystal or crystalline powder

Assay(%): 99.5

Melting Point: 95~97°C

Boiling Point: 231.1±7.0°C

Applications:

Used in electrolyte of lithium-ion batteries; Used as hydroxyethylation reagents in organic synthesis to synthesize pharmaceutical intermediates; Used as a raw material for the synthesis of certain heterocyclic compounds for gelatin hardening, antihypertensive drugs and new double surfactants.

Package &Storage:

In 5kg/bottle or up to clients request.

Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources. Recommended Storage Temperature 2~8°C.

Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.